

REED MICROMETERS

Instant
Adjustment
Easily
Read



M.F.D. BY

REED SMALL TOOL WORKS
WORCESTER MASS., U.S.A.

WE GUARANTEE:—

ACCURACY, which is the first consideration in the manufacture of REED Micrometers.

MATERIALS of the highest quality and suitability are always used.

WORKMANSHIP by men skilled and experienced in every detail of Micrometer manufacture.

INSPECTION, which is rigid and exacting. Every tool is tested with Johansson Gauges throughout its range of measurement.

SATISFACTION to the user through qualities of precision, long life, and design.

All these points we stand back of with our ironclad guarantee of "satisfaction or money back," but we assume no responsibility for tools damaged by being stamped or otherwise mutilated.

Prices

The prices herein are list prices, not selling prices, and are subject to a discount. Discounts and therefore net prices are subject to change without notice.

We desire to have our customers purchase direct from the local hardware dealers, but if they cannot supply from stock we stand ready to serve direct from the factory. Your order accompanied by cash will be accepted and goods shipped, transportation prepaid, to any part of the United States or Canada, but we do not pay the duty on goods to foreign markets.

Express or postal money orders, letters of credit, or currency enclosed in a registered letter, will be acceptable methods of payment.

Terms of Sale

To our customers who have established a credit with us, or to those satisfactorily rated in the mercantile reference books we extend the terms of 2% for cash payments within ten days from date of invoice, or 30 days net. Orders from all others should be accompanied by cash with order.

FEATURES OF SUPERIORITY

PATENTED TWO-PART THIMBLE in which the knurled end is permanently attached to the spindle, while the sleeve carrying the circular scale is frictionally locked to the knurled part but can be instantly adjusted, as described under "Method of Adjustment."

A simple, direct adjustment containing the minimum number of parts, in no way altering the alignment of the measuring surfaces.

FIXED ANVIL admitting of compact design which allows measurements to be taken in narrow openings. With the fixed anvil there is no chance of error due to changes in the alignment of measuring surfaces when adjusting.

TOOL STEEL SPINDLE, made by a special process giving a finished thread of unequalled precision, smoothness and hardness.

FRAMES, original in design, deep throated and with concave surface, or panels, forming a natural thumb-and-finger grip.

FINISHES—Drop forged steel frames are in dull nickel for plain No. 700 line, blued steel for No. 701 decimal equivalent model and black enamelled panels with bright edges and ribs for No. 800 models.

DESIGN in REED MICROMETERS is compact, distinctive and pleasing. It is planned to meet exacting requirements of accuracy and long service.

LIST PRICES
Outside Micrometers

Inch	No.	Mm.	No.	
$\frac{1}{2}$	700	or	13	700M \$5.50
1	701DE	or	25	701M 6.25
2	702	or	50	702M 7.00
3	703	or	75	703M 7.75
4	704	or	100	704M 8.50
5	705	or	125	705M 9.25
6	706	or	150	706M 10.00
1	801	or	25	801M 6.25
2	802	or	50	802M 7.00
$\frac{7}{16}$	700P	Paper Gage		7.00
With Lock Nut and Ratchet, add to list				1.00
With 10,000ths Vernier, add to list				1.75

Tubing Micrometers

Inch	No.	Mm.	No.	
$\frac{1}{2}$	700T	or	13	700MT \$6.00
1	701T	or	25	701MT 6.75
With Ratchet, add to list .....				.50

Micrometer Heads

Inch	No.	Mm.	No.	
$\frac{1}{2}$	600	or	13	600M \$3.50
1	601	or	25	601M 4.00
With Ratchet, add to list .....				.50

Micrometer Caliper Set (Range 0—3")

Inch	No.	With Case
1, 2 and 3	733	\$23.50
Mm.	No.	With Case
25, 50 and 75	733M	\$23.50
With Lock Nuts and Ratchets, add to list		3.00
Two Standard Test Gages, extra, add to list		2.25

Micrometer Caliper Set (Range 0—6")

Inch	No.	With Case
1, 2 and 6	736 Plain	\$33.00
With Lock Nuts and Ratchets		36.00
Mm.	No.	With Case
25, 50 and 150	736M	\$33.00
With Lock Nuts and Ratchets		36.00

LIST PRICES
Combination Micrometers
 See Page 9

2" plain Micrometer	\$7.00
Extension Anvil Holder	1.00
1" Extension Anvil	<u>1.00</u>
No. C702, 0—2" Combination Micrometer complete with above items	9.00
No. C702C, Case (extra)	<u>1.15</u>
	<u>\$10.15</u>

4" plain Micrometer	8.50
Extension Anvil Holder	1.00
1" Extension Anvil	1.00
2" " "	1.25
3" " "	<u>1.50</u>
No. C704, 0—4" Combination Micrometer complete with above items	13.25
No. C704C, Case (extra)	<u>1.75</u>
	<u>\$15.00</u>

6" plain Micrometer	10.00
Extension Anvil Holder	1.00
1" Extension Anvil	1.00
2" " "	1.25
3" " "	<u>1.50</u>
No. C706, 2—6" Combination Micrometer complete with above items	14.75
No. C706C, Case (extra)	<u>2.25</u>
	<u>\$17.00</u>

Use extension anvil as a test gage to check the adjustment.

If above tools equipped as follows:

With Lock Nut and Ratchet, add to list....1.00
 With 10,000ths Graduations, add to list.....1.75

LIST PRICES WITH CASE AND HANDLE FOR INSIDE MICROMETERS

No.	Capacity			
No. 0	1½"	to	7"	301A Case \$10.00
No. 1	2"	to	7"	" " 9.00
No. 2	2"	to	12"	" " 10.00
No. 3	2"	to	32"	204 " 14.50
No. 4	3"	to	8"	301A " 8.00
No. 5	7"	to	32"	204 " 13.50

Nos. 1, 2 and 3 have ½" spindle run, while Nos. 4 and 5 have 1" movement.

Additional Rods can be supplied for any of above sets.

See pages 11, 12 and 13 for details.

MICROMETER DEPTH GAGE

(See Page 15)

No. 170	List \$9.00
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HEIGHT GAGE ATTACHMENTS

(See Page 15)

No. 6	\$2.25
No. 7	1.00

STANDARD TEST GAGES

(See Page 14)

Inch	No.	Mm.	No.	
1	751	or	25	751M \$1.00
2	752	or	50	752M 1.25
3	753	or	75	754M 1.50
4	754	or	100	754M 1.75
5	755	or	125	755M 2.00
6	756	or	150	756M 2.25

EXTENSION ANVILS AND HOLDER

Inch	No.	Mm.	No.	
1	761	or	25	761M \$1.00
2	762	or	50	762M 1.25
3	763	or	75	763M 1.50
Holder	760			1.00

CASES FOR SINGLE MICROMETERS
LIST PRICES

Inch	No.	Mm.	
1/2	300	or 13	\$.75
1	301A	Spectacle Case .....	.95
1	301B	Pistol Case .....	.35
2	302	or 50	1.15
3	303	or 75	1.20
4	304	or 100	1.75
5	305	or 125	2.00
6	306	or 150	2.25

CASES FOR SETS OF MICROMETERS

1, 2 and 3 inch	No. 333	\$2.50
25, 50 and 75mm	No. 333	2.50
1", 2", 6" set	No. 336	5.00

CASES FOR INSIDE MICROMETERS

No. 0, 1, 2 or 4	No. 301A	\$1.00
No. 3 or 5	No. 204	1.50

CASE FOR DEPTH GAGE NO. 170

Leather Covered, Velvet Lined Case, No. 210	\$2.50
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REPAIR LIST

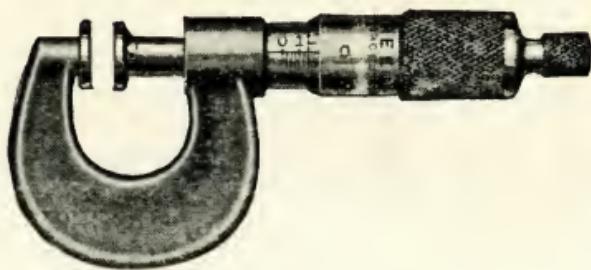
Prices are Net and Include Replacement

Frame: 1-inch	\$1.50
2-inch	1.75
3-inch	2.00
4-inch	2.25
5-inch	2.50
6-inch	2.50
Barrel	1.00
Bushing .....	.10
Tension Nut .....	.05
Spindle	1.50
Thimble and Sleeve	1.00
Anvil .....	.25
Locknut .....	.50
Roll .....	.05
Ratchet .....	.50
Screw .....	.05
Spring .....	.05
Lap Spindle and Anvil Square .....	.25
Spanner Wrench	No. 8 .05

PAPER GAGE MICROMETER—Range 0 to 7/16

(For List Prices see Page 2)

No. 700P— $\frac{1}{2}$ size cut



This tool is especially adapted for measuring the thickness of paper, cardboard, cloth, sheet rubber and other soft materials. The large measuring surfaces, $\frac{7}{16}$ " in diameter, do not compress the material, and allow accurate measurements to be taken quickly.

TUBING MICROMETERS

No. 700T - No. 701T

(For List Prices see Page 2)

This Micrometer is designed with a short spherical-faced anvil, adapted to measure the wall thickness of tubing from $\frac{3}{8}$ " inside diameter upwards, by thousandths of an inch. The range of the spindle is $\frac{1}{2}$ " in No. 700T and 1" in No. 701T.

In use the rounded anvil rests on only one point inside of tube, while the movable flat surface of spindle touches one element on outside.

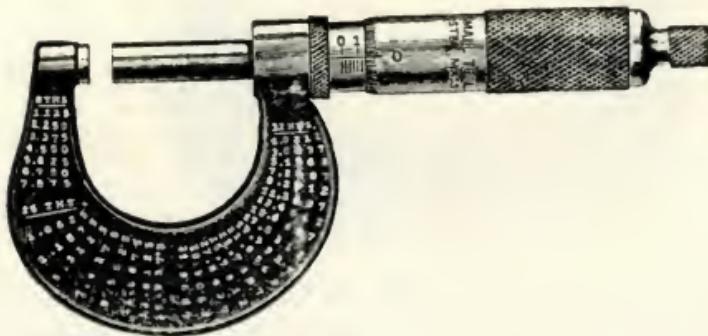
Manufacturers of Bushings and irregular Pressed Metal forms find it well adapted for their work.

This Micrometer can also be supplied in the Metric graduations.

DECIMAL EQUIVALENT MICROMETER

(For List Prices see Page 2)

No. 701D— $\frac{1}{2}$ size cut



This tool has everything we can put into a Micro-meter.

The raised figures, aside from their purpose, afford a still firmer grip on the frame.

The frame is drop forged, then treated for special finish, after which the decimal equivalent figures are raised in finishing dies subjected to enormous pressure, assuring an extremely rigid frame.

A metallic finish, black oxidized, gives a rich black background for the figures. The Decimal Equivalents of 8ths, 16ths and 32nds stand out prominently on the front of frame while the 64ths appear on reverse side.

Offered in one-inch size only, with locknut and ratchet if desired.

LOCKNUT (See cut, Page 18)

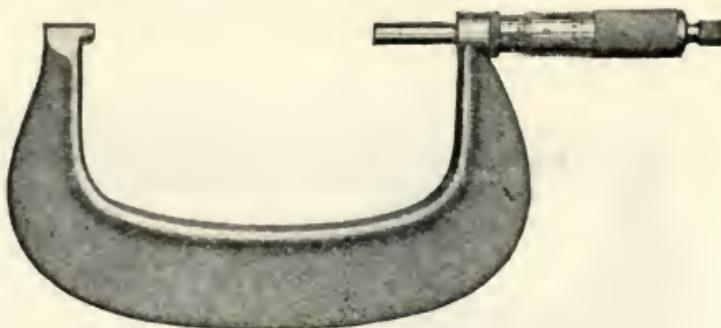
An attachment to hold spindle fixed while a number of measurements are taken with same setting. Rotating the knurled ring locks spindle through a cam and roller. Release is effected by rotating ring in reverse direction.

RATCHET STOP (See cut, Page 18)

A convenient attachment for use where measurements have to be taken quickly. The ratchet is designed to bring the same pressure to bear between anvil and spindle for all measurements. For these reasons students and apprentices prefer to depend on the ratchet for assistance in securing accurate measurements rather than on their sense of touch.

No. 704—4" MICROMETER—5/16 size cut

(For List Prices see Page 2)



This cut shows general type of frame found in the Four, Five and Six Inch Micrometers and illustrates Locknut and Ratchet attachments.

The drop forged frame of Tee section is designed to meet the severe demands of every-day use. Finished in dull nickel, a metallic finish which does not rust or wear off, the tool retains the original neat appearance.

These tools are light, rigid and well balanced.

The anvil, spindle, barrel and thimble are of standard diameter in all sizes.

Study the "Features of Superiority" on Page 1. They apply to all REED Micrometers.

REED Micrometers are made for both English and Metric measurements, the range of each size being 1" or 25 mm., measurements being read directly to one thousandth of an inch or one hundredth of a millimeter.

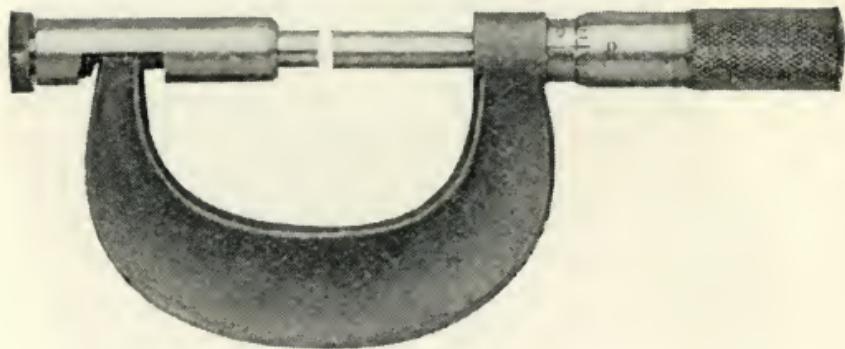
Any style can be furnished with Locknut and Ratchet

All sizes are packed with a small spanner wrench to adjust the tension nut on the barrel and also to change the setting for wear of the spindle and anvil surface.

Decimal equivalent cards accompany Micrometers having plain frames.

COMBINATION MICROMETERS

(For List Prices see Page 4)



No. C702—2/5 size cut

This cut shows smallest size of combination style micrometer, with Holder No. 760 and Extension Anvil No. 761 in position,

Through the use of a patented attachment, large micrometers can be adapted to take smaller measurements by interchanging extension anvils of various lengths.

To use, remove knurled screw, insert extension Anvil, replace screw and clamp Extension Anvil Holder over stationary anvil end of micrometer.

Be sure that faces of stationary and extension anvils are thoroughly cleaned, as any foreign substance between these contact surfaces will cause incorrect reading.

These micrometers can be furnished with either locknut or ratchet, or with both items; also with ten thousandths graduations.



No. 736—MICROMETER SET (Range 0" to 6")
(For List Prices see Page 2)

This 1"-2"-6" set is made up of either plain or lock-nut and ratchet stop tools (as illustrated). These are compactly arranged in a board case, leather covered and blue velvet lined. The tools take up the smallest space and still allow full view of the whole set.

Generally one inch and two inch tools are most used while 2" to 6" are much less frequently called for.

We supply our patented holder and extension anvils, 1"-2"-3", completing the full range of the set 0" to 6". These extension anvils are finished with the same accuracy as test gages so they can be used together to check the setting of the 2" and 6" Micrometers making the set complete without the usual standards for checking.

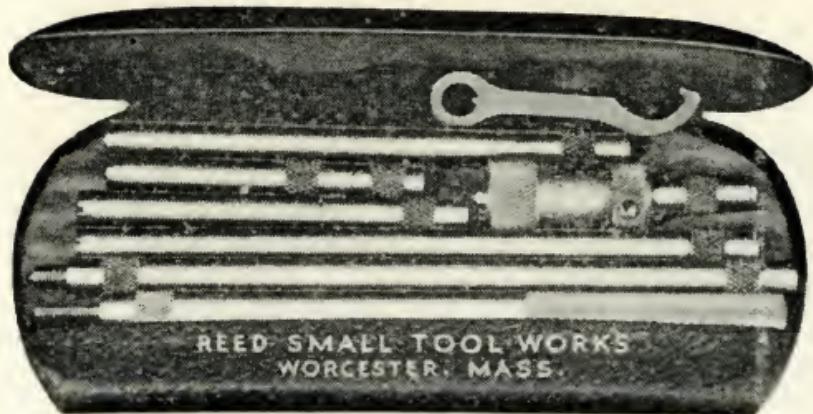
No. 733—MICROMETER SET (Range 0" to 3")
(For List Prices see Page 2)

Sets are formed from groups of our Micrometers from 0 to 3" or 0 to 75 mm., with locknuts and ratchets if desired.

They are furnished in a substantially made case of wooden body, covered with black book cloth and lined with black cotton plush. The three tools are arranged to occupy the least space and at the same time may be easily taken out and returned. The case can be described as a double box, with a stationary middle partition running parallel to the hinged covers which open on either side. One section holds the 1" and 2" Micrometers, while the other takes the 3" size, also 1" and 2" Standards and adjusting wrench. A decimal equivalent card is furnished with each set.

REED INSIDE MICROMETERS

(For List Prices see Page 3)



No. 2— $\frac{3}{8}$ size cut

The Inside Micrometer, generally used in obtaining internal measurements of cylinders and rings, is equally useful in taking linear measurements, testing for parallel surfaces, comparing gages, making comparisons for fits, setting calipers, etc.

One feature found only in the REED, is the possibility of instantly changing the position of detachable handle to make convenient for right- or left-handed work, so as to always present the graduations on barrel for easy reading. The handle makes it possible to reach inaccessible places or to gage throughout the length of a cylinder bore.

The rods are adjusted to accurate lengths and anvil adjustments should be made, with wrench furnished, only after wear and when accurate gages for resetting are at hand. The Micrometer is set in tension, so that in use the measurement setting will not be loosened before reading is ascertained.

Compact vestpocket-size metal body cases, covered with blue leather and lined with blue velvet are furnished for Nos. 1, 2, and 4. No. 3 is adapted to a substantially made pocket-case covered with black book cloth and lined with black cotton plush; or it can be furnished in a larger wooden case, such as is required for No. 5.

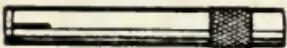
For protection against injury and to keep the tool up to most accurate performance, we strongly recommend that the Case always be made a part of the set. The Handle is also a necessary feature and unless ruled out these two items will always be furnished.

(For details of the make-up of the different combinations see pages 12 and 13)

No. 150— $\frac{1}{4}$ " Spacer



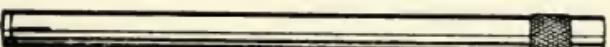
No. 151—Rod $\frac{3}{4}$ " long



No. 152—Rod $1\frac{3}{4}$ " long



No. 153—Rod $2\frac{3}{4}$ " long



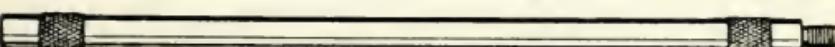
No. 154—Rod $3\frac{3}{4}$ " long



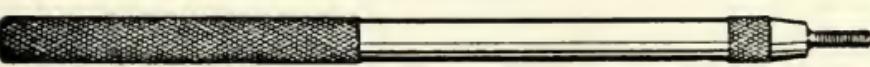
No. 155—Rod $4\frac{3}{4}$ " long



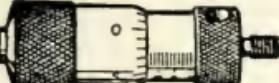
No. 156— $\frac{1}{2}$ " Spacer $\frac{1}{2}$ " long



No. 157—5" Spacer 5" long

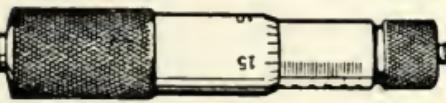


No. 158—Handle



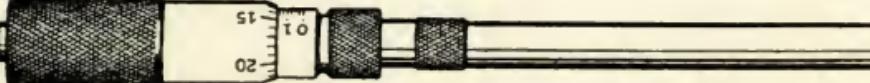
No. 100— $\frac{1}{2}$ " Head

Measures $1\frac{1}{2}$ " with No. 150



No. 104—1" Head

Measures 3" with No. 151



No. 105—1" Head

Permanent Extension measures 7" with No. 151

To select combination desired—read down each column

All Prices List

List	No. 0 1½" to 7"	No. 1 2" to 7"	No. 2 2" to 12"	No. 3 2" to 32"	No. 4 3" to 8"	No. 5 7" to 32"
0.75	1 Spacer	—	—	—	—	—
0.75	1 Rod Marked No. 1	1 Rod Marked No. 1	1 Rod Marked No. 1	1 Rod Marked No. 1	1 Rod Marked No. 1	1 Rod Marked No. 1
0.75	1 Rod Marked No. 2	1 Rod Marked No. 2	1 Rod Marked No. 2	1 Rod Marked No. 2	1 Rod Marked No. 2	1 Rod Marked No. 2
0.75	1 Rod Marked No. 3	1 Rod Marked No. 3	1 Rod Marked No. 3	1 Rod Marked No. 3	1 Rod Marked No. 3	1 Rod Marked No. 3
0.75	1 Rod Marked No. 4	1 Rod Marked No. 4	1 Rod Marked No. 4	1 Rod Marked No. 4	1 Rod Marked No. 4	1 Rod Marked No. 4
0.75	1 Rod Marked No. 5	1 Rod Marked No. 5	1 Rod Marked No. 5	1 Rod Marked No. 5	1 Rod Marked No. 5	1 Rod Marked No. 5
0.75	1 Spacer	1 Spacer	1 Spacer	1 Spacer	—	—
1.00	—	—	1 Spacer	5 Spacers	—	4 Spacers
0.75	1 Handle	1 Handle	1 Handle	1 Handle	—	—
\$3.50	No. 1 Head	No. 1 Head	No. 1 Head	No. 1 Head	—	—
\$4.00	—	—	—	—	No. 4 Head	—
\$6.00	—	—	—	—	—	No. 5 Head
List	No. 0 as above \$9.00	No. 1 as above \$8.00	No. 2 as above \$9.00	No. 3 as above \$13.00	No. 4 as above \$7.00	No. 5 as above \$12.00

STANDARD TEST GAGES **(For List Prices see Page 4)**



No. 751— $\frac{1}{2}$ size cut

"Standards," as they are commonly called, are designed for testing the adjustment or setting of Micrometers.

They are made in bar form with hexagonal centers to prevent rolling when laid down. All are tool steel, hardened, ground and lapped to both English and Metric master gages, the ends being finished flat.

Tested to give accurate readings at indoor temperature. Guard against change of temperature as well as rust or other damage to measuring surfaces.

MICROMETER HEAD **(For List Prices see Page 2)**



No. 601— $\frac{7}{16}$ size cut

(No. 600 with $\frac{1}{2}$ " Spindle run)

The Micrometer Head, with a few easily made attachments, is a valuable tool in precision work. Ordinarily the head is held in position by a split clamp support, or firmly located in the holding device by sweating in with soft solder.

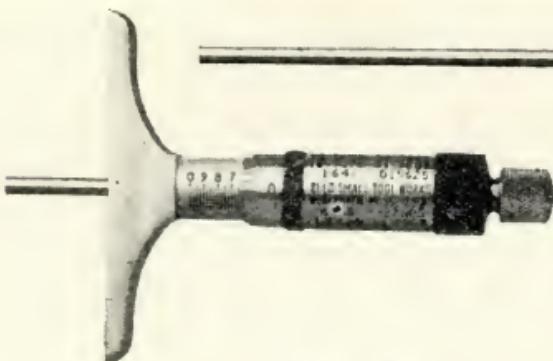
Some machine manufacturers regularly equip their product with these instruments, thus solving the problem of direct measurement.

With our two-part thimble adjustment the REED Micrometer Head is especially adapted for uses on jigs, fixtures and special devices where anvil adjustment is impracticable.

This tool can be furnished in Metric measure, and with Ratchet Stop in any style.

The length from left end of barrel to shoulder is $\frac{1}{2}$ ", while the diameter of same is $\frac{3}{8}$ ", these measurements being identical on all styles and sizes.

REED MICROMETER DEPTH GAGE



No. 170

This micrometer depth gage has been designed for use in measuring holes, grooves, shoulders, etc., up to 3" in depth, by a set of interchangeable rods, 1", 2", and 3", easily inserted and held to a positive seat by the knurled rod cap. Base is 2½" long, of case hardened steel. Ends of measuring rods are of test gage accuracy and limits.

HEIGHT GAGES (For Inside Micrometers)

No. 6

Alignment Attachment

The Inside Micrometer can be transformed into a Height Gage by use of this Attachment. By adding rods to the Micrometer, range from 3" to 32" can be obtained. The 3" minimum measurement can be had by using the No. 1, 2 or 3 Inside head with the 3-4 rod, while 4" is the minimum with No. 4.

No. 7

Round Base Attachment

This differs from No. 6 in construction and is intended mainly for Height Gage.



No. 6— $\frac{3}{4}$ size cut



No. 7— $\frac{3}{4}$ size cut

SIMPLE INSTRUCTIONS ON HOW TO READ A MICROMETER

English System

One complete revolution of the thimble opens or closes the measuring surfaces of anvil and spindle twenty-five thousandths or one fortieth of an inch, this being the pitch of the spindle screw. The graduated bevel of the sleeve is divided into twenty-five equal parts, so that turning the thimble one division changes the reading one thousandth of an inch.

On the barrel an inch is laid off in forty divisions, every fourth long division line being numbered, 0, 1, 2, 3, etc. The divisions are twenty-five thousandths of an inch each, corresponding to one revolution of the thimble. The numbers on barrel are 100 thousandths or one-tenth of an inch apart. With the measuring surfaces clean and closed, the 0 line on the sleeve should be a horizontal line and at 0 on the barrel.

EXAMPLE:

If the thimble is turned back so the figure 2 is visible but 3 is not, reading is between 200 and 300 thousandths of an inch; if two divisions on the barrel between 2 and 3 are visible, 25 thousandths must be added for each, giving 250, and if the division line on the sleeve bevel opposite the horizontal line on the barrel is marked 10, 10 thousandths is added to the 250, making the complete reading 260 thousandths of an inch.

Hence, to read the English Micrometer: multiply the number of divisions which are in view on the barrel by 25, and add the number of divisions on the sleeve bevel, counting from 0 to the line which coincides with the horizontal line on barrel. This gives the reading in thousandths of an inch.

SIMPLE INSTRUCTIONS ON HOW TO READ A MICROMETER

Metric System

One complete revolution of the thimble opens or closes the measuring surfaces of anvil and spindle fifty hundredths or one half of a millimeter. The graduated bevel of the sleeve is divided into fifty equal parts, so that turning the thimble one division changes the reading one hundredth of a millimeter.

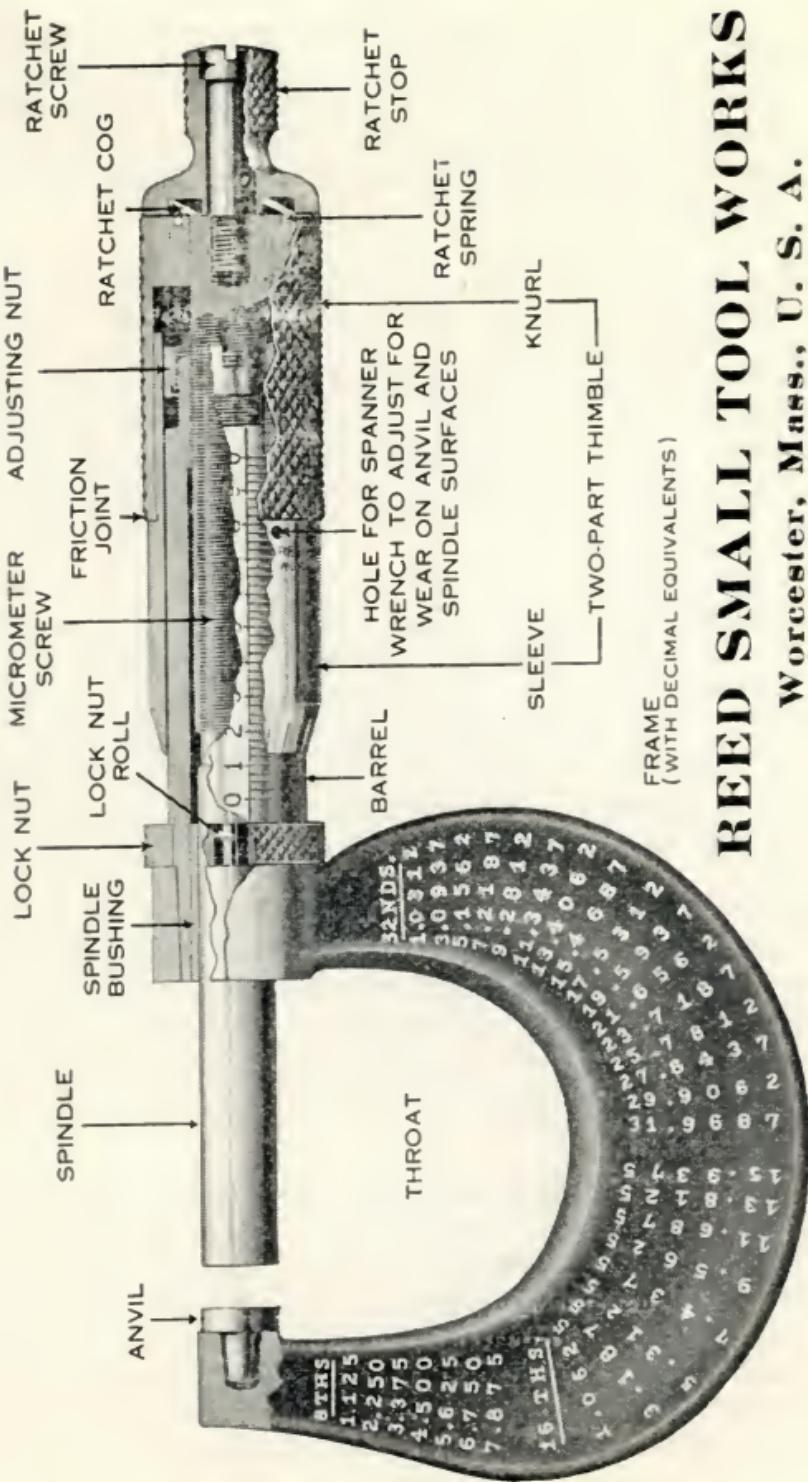
On the barrel, twenty-five millimeters are laid off in twenty-five divisions, every fifth long division line being numbered 0, 5, 10, etc. The divisions are one millimeter each, corresponding to two revolutions of the thimble. The numbers on barrel are five millimeters apart. With the measuring surfaces clean and closed, the 0 line on the sleeve should be on the horizontal line at 0 on barrel.

EXAMPLE:

If the thimble is turned back so the figure 5 is visible but 10 is not, the reading is between 5 and 10 millimeters; if two divisions on the barrel between 5 and 10 are visible, one millimeter must be added for each, giving 7, and if the division line on the sleeve bevel opposite the horizontal line on the barrel is marked 10, 10 hundredths of a millimeter is added to the 7, making the complete reading 7.10 millimeters.

In adding the divisions of the sleeve, attention must be paid to see whether the sleeve has revolved more than once through its 50 spaces, in passing between divisions of 7 and 8 millimeters. If such is the case as above, the amount to add would be 50 plus 10 making 7.60 millimeters.

Hence in reading the Metric Micrometer add to the number of divisions which are in view on the barrel, the number of divisions on the sleeve bevel (or the number plus 50 according to whether the sleeve has been turned a fraction of or more than one complete turn) counting from 0 to the line which coincides with the horizontal line on barrel. The reading will be in millimeters and hundredths of millimeters.



REED SMALL TOOL WORKS

Worcester, Mass., U. S. A.

METHOD OF ADJUSTMENT



With our special form of adjustment, accurate and instantaneous in its action, the problem of adjusting the Micrometer becomes a simple matter.

To effect adjustment for wear on measuring surfaces, grasp the knurled thimble firmly with thumb and fingers of left hand. With the measuring surfaces out of contact, insert the spanner wrench in the hole drilled in Micrometer sleeve, holding the spanner between the ball of thumb and forefinger of right hand, with the thumb tip resting against the sleeve. The sleeve can then be rotated the amount necessary to make the desired correction and the adjustment should be tested with the tool set at zero, taking precaution that there is no oil or dust on anvil and spindle surfaces.

CAUTION

Before leaving the factory our Micrometers are carefully adjusted and rigidly inspected, comparison being made with the most accurate gauges which we can obtain.

For best satisfaction we recommend that adjustments in tension and setting be made for wear only. The presence of foreign matter on spindle or anvil, even though not easily visible, is liable to mislead the user to thinking that the tool is out of adjustment. Therefore, first make sure that measuring surfaces are clean; second be equally positive that the standard of comparison is correct.

CATALOG NUMBERS

Key to Meaning of Letters Used after Catalog Numbers

R after the number means Ratchet added.

RP after the number means Ratchet and Paper Measuring Anvils added.

10th after the number means ten thousandths vernier added.

T after the number means Tubing Anvil added.

All Micrometers have decimal equivalents stamped on the thimble except No. 701DE, (which has decimal equivalent figures raised on the frame,) half inch Micrometers, and Metric Micrometers.

No. 0	Inside Set 1 $\frac{1}{2}$ "— 7"
No. 1	Inside Set 2"— 7"
No. 2	Inside Set 2"—12"
No. 3	Inside Set 2"—32"
No. 4	Inside Set 3"— 8"
No. 5	Inside Set 7"—32"
No. 6	Height gage and alignment attachment
No. 7	Round base height gage attachment
No. 8	Spanner Wrench.
No. 100	Inside Head—1 $\frac{1}{2}$ " run; 1 $\frac{1}{4}$ " long
No. 104	Inside Head— 1" run; 2 $\frac{1}{4}$ " long
No. 105	Inside Head— 1" run; 6 $\frac{1}{4}$ " long
No. 150	Inside Rod— $\frac{1}{4}$ " long
No. 151	Inside Rod— $\frac{3}{4}$ " long
No. 152	Inside Rod—1 $\frac{3}{4}$ " long
No. 153	Inside Rod—2 $\frac{3}{4}$ " long
No. 154	Inside Rod—3 $\frac{3}{4}$ " long
No. 155	Inside Rod—4 $\frac{3}{4}$ " long
No. 156	Inside Spacer— $\frac{1}{2}$ " long
No. 157	Inside Spacer—5" long
No. 158	Inside Handle
No. 170	Micrometer Depth Gage.
No. 200	Case for Nos. 0, 1 or 2
No. 204	Case for Nos. 3, 4 or 5
No. 210	Case for No. 170 Depth Gage.
No. 300	Case for No. 700
No. 301A	Spectacle Case
No. 301B	Pistol Case
No. 302	Case for No. 702 or No. 722
No. 303	Case for No. 703 or No. 723
No. 304	Case for No. 704
No. 305	Case for No. 705
No. 306	Case for No. 706 or No. 726
No. 324	Case for No. 724
No. 333	Case for No. 733
No. 336	Case for No. 736
No. 600	$\frac{1}{2}$ " Head—(R)

CATALOG NUMBERS—Continued

No. 600m	13m Head—(R)
No. 601	1" Head—(R)
No. 601m	25m Head
No. 700	½" Micrometer—(LNR) (RP) (T)
No. 700m	13m Micrometer—(LNR)
No. 701DE	1" Micrometer—(10th) (LNR) (LNR 10th) (T)
No. 701m	25m Micrometer—(LNR)
No. 702	2" Micrometer—(LNR)
No. 702m	50m Micrometer—(LNR)
No. 703	3" Micrometer—(10th) (LNR) LNR 10th)
No. 703m	75m Micrometer—(LNR)
No. 704	4" Micrometer—(10) (LNR) (LNR 10th)
No. 704m	100m Micrometer—No. (LNR)
No. 705	5" Micrometer—(10th) (LNR) (LNR 10th)
No. 705m	125m Micrometer—(LNR)
No. 706	6" Micrometer—(10th) (LNR) (LNR 10th)
No. 706m	15m Micrometer—(LNR)
No. 722	Combination—0" to 2" Micrometer— (10th) (LNR) (LNR 10th)
No. 723	Combination—0" to 3" Micrometer— (10th) (LNR) (LNR 10th)
No. 724	Combination—0" to 4" Micrometer— (10th) (LNR) (LNR 10th)
No. 726	Combination—2" to 6" Micrometer— (10th) (LNR) (LNR 10th)
No. 733	Set—0" to 3" Micrometer (3 Micrometers) (10th) (LNR) (LNR 10th)
No. 736	Set—0" to 6" (3 Micrometers)— (10th) (LNR) (LNR 10th)
No. 751	1" Test Gage
No. 752	2" Test Gage
No. 753	3" Test Gage
No. 754	4" Test Gage
No. 755	5" Test Gage
No. 756	6" Test Gage
No. 760	Extension Anvil Holder
No. 761	1" Extension Anvil
No. 762	2" Extension Anvil
No. 763	3" Extension Anvil
No. 771	1" Depth Gage Rod.
No. 772	2" Depth Gage Rod.
No. 773	3" Depth Gage Rod.
No. 801	1" (Enameled Frame)—(10) (LNR) (LNR 10th) (T)
No. 802	2" (Enameled Frame)—(10th) (LNR) (LNR 10th)

**DECIMAL AND MILLIMETER
EQUIVALENTS OF PARTS OF AN INCH**

Inch	Dec.	Eq.	Mm.	Eq.	Inch	Dec.	Eq.	Mm.	Eq.
$\frac{1}{4}$	.01563		.397		$\frac{33}{64}$	.51563		13.097	
$\frac{3}{16}$	.03125		.794		$\frac{17}{32}$	.53125		13.494	
$\frac{5}{16}$	.04688		1.191		$\frac{35}{64}$	.54688		13.890	
$\frac{1}{8}$	.0625		1.587		$\frac{9}{16}$	.5625		14.287	
$\frac{7}{16}$	.07813		1.984		$\frac{37}{64}$	.57813		14.684	
$\frac{9}{16}$	.09375		2.381		$\frac{19}{32}$	.59375		15.081	
$\frac{11}{16}$	.10938		2.778		$\frac{39}{64}$	.60938		15.478	
$\frac{1}{2}$	.125		3.175		$\frac{5}{8}$	.625		15.875	
	.14063		3.572		$\frac{11}{16}$	.64063		16.272	
$\frac{13}{16}$	.15625		3.969		$\frac{21}{32}$	.65625		16.669	
$\frac{15}{16}$	.17188		4.366		$\frac{13}{16}$	.67188		17.065	
$\frac{17}{16}$	.1875		4.762		$\frac{11}{16}$	.6875		17.462	
$\frac{19}{16}$	.20313		5.159		$\frac{15}{16}$	.70313		17.859	
$\frac{21}{16}$	.21875		5.556		$\frac{23}{32}$	.71875		18.256	
$\frac{23}{16}$	.23438		5.953		$\frac{17}{16}$	.73438		18.653	
$\frac{1}{4}$	.25		6.350		$\frac{3}{4}$	.75		19.050	
$\frac{25}{16}$	.26563		6.747			.76563		19.447	
$\frac{27}{16}$	.28125		7.144		$\frac{21}{32}$	.78125		19.844	
$\frac{29}{16}$	.29688		7.541		$\frac{5}{8}$	.79688		20.240	
$\frac{31}{16}$	.3125		7.937		$\frac{13}{16}$	.8125		20.637	
$\frac{33}{16}$	.32813		8.334		$\frac{23}{32}$	.82813		21.034	
$\frac{35}{16}$	.34375		8.731		$\frac{21}{16}$	.84375		21.431	
$\frac{37}{16}$	.35938		9.128		$\frac{5}{4}$	.85938		21.828	
$\frac{3}{8}$	.375		9.525		$\frac{7}{8}$	.875		22.225	
$\frac{41}{32}$	.39063		9.922		$\frac{5}{4}$	.89063		22.622	
$\frac{43}{32}$	.40625		10.319		$\frac{29}{32}$	.90625		23.019	
$\frac{45}{32}$	.42188		10.716		$\frac{59}{64}$	.92188		23.415	
$\frac{47}{32}$	.4375		11.113		$\frac{15}{16}$	.9375		23.812	
$\frac{49}{32}$	.45313		11.509		$\frac{61}{64}$	.95313		24.209	
$\frac{51}{32}$	.46875		11.906		$\frac{31}{32}$	.96875		24.606	
$\frac{53}{32}$	.48438		12.303		$\frac{63}{64}$	.98438		25.003	
$\frac{1}{2}$	.5		12.700		1	1.00000		25.400	

**DECIMAL EQUIVALENT OF MILLIMETERS
AND FRACTIONS OF MILLIMETERS**

m/m.	Inches.	m/m.	Inches.
$\frac{1}{100}$	.00039	$\frac{33}{100}$	.01299
$\frac{2}{100}$	.00079	$\frac{34}{100}$	.01339
$\frac{3}{100}$	.00118	$\frac{35}{100}$	.01378
$\frac{4}{100}$	.00157	$\frac{36}{100}$	.01417
$\frac{5}{100}$	.00197	$\frac{37}{100}$	.01457
$\frac{6}{100}$	.00236	$\frac{38}{100}$	.01496
$\frac{7}{100}$	.00276	$\frac{39}{100}$	.01535
$\frac{8}{100}$	.00315	$\frac{40}{100}$	.01575
$\frac{9}{100}$	.00354	$\frac{41}{100}$	.01614
$\frac{10}{100}$	.00394	$\frac{42}{100}$	.01654
$\frac{11}{100}$	.00433	$\frac{43}{100}$	.01693
$\frac{12}{100}$	.00472	$\frac{44}{100}$	.01732
$\frac{13}{100}$	.00512	$\frac{45}{100}$	.01772
$\frac{14}{100}$	.00551	$\frac{46}{100}$	.01811
$\frac{15}{100}$	.00591	$\frac{47}{100}$	.01850
$\frac{16}{100}$	.00630	$\frac{48}{100}$	.01890
$\frac{17}{100}$	.00669	$\frac{49}{100}$	.01929
$\frac{18}{100}$	.00709	$\frac{50}{100}$	.01969
$\frac{19}{100}$	.00748	$\frac{51}{100}$	.02008
$\frac{20}{100}$	.00787	$\frac{52}{100}$	.02047
$\frac{21}{100}$	.00827	$\frac{53}{100}$	.02087
$\frac{22}{100}$	.00866	$\frac{54}{100}$	.02126
$\frac{23}{100}$	.00906	$\frac{55}{100}$	.02165
$\frac{24}{100}$	.00945	$\frac{56}{100}$	.02205
$\frac{25}{100}$	.00984	$\frac{57}{100}$	.02244
$\frac{26}{100}$	.01024	$\frac{58}{100}$	.02283
$\frac{27}{100}$	.01063	$\frac{59}{100}$	.02323
$\frac{28}{100}$	.01102	$\frac{60}{100}$	.02362
$\frac{29}{100}$	.01142	$\frac{61}{100}$	.02402
$\frac{30}{100}$	.01181	$\frac{62}{100}$	.02441
$\frac{31}{100}$	.01220	$\frac{63}{100}$	.02480
$\frac{32}{100}$	.01260		

**DECIMAL EQUIVALENT OF MILLIMETERS
AND FRACTIONS OF MILLIMETERS**

m/m.	Inches.	m/m.	Inches.
$\frac{64}{100}$	.02520	$\frac{95}{100}$	.03740
$\frac{65}{100}$	.02559	$\frac{96}{100}$	.03780
$\frac{66}{100}$	.02598	$\frac{97}{100}$	.03819
$\frac{67}{100}$	.02638	$\frac{98}{100}$	.03858
$\frac{68}{100}$	.02677	$\frac{99}{100}$	.03898
$\frac{69}{100}$	.02717	1	.03937
$\frac{70}{100}$	.02756	2	.07874
$\frac{71}{100}$	.02795	3	.11811
$\frac{72}{100}$	.02835	4	.15748
$\frac{73}{100}$	.02874	5	.19685
$\frac{74}{100}$	.02913	6	.23622
$\frac{75}{100}$	.02953	7	.27559
$\frac{76}{100}$	.02992	8	.31496
$\frac{77}{100}$	.03032	9	.35433
$\frac{78}{100}$	.03071	10	.39370
$\frac{79}{100}$	.03110	11	.43307
$\frac{80}{100}$	.03150	12	.47244
$\frac{81}{100}$	.03189	13	.51181
$\frac{82}{100}$	.03228	14	.55118
$\frac{83}{100}$	.03268	15	.59055
$\frac{84}{100}$	.03307	16	.62992
$\frac{85}{100}$	.03346	17	.66929
$\frac{86}{100}$	.03386	18	.70866
$\frac{87}{100}$	.03425	19	.74803
$\frac{88}{100}$	.03465	20	.78740
$\frac{89}{100}$	.03504	21	.82677
$\frac{90}{100}$	.03543	22	.86614
$\frac{91}{100}$	.03583	23	.90551
$\frac{92}{100}$	.03622	24	.94488
$\frac{93}{100}$	.03661	25	.98425
$\frac{94}{100}$	.03701	26	1.02362

DECIMAL EQUIVALENTS OF MILLIMETERS

Mm.	Inches	Mm.	Inches	Mm.	Inches
1 =	.0394	35 =	1.3780	68 =	2.6772
2 =	.0787	36 =	1.4173	69 =	2.7165
3 =	.1181	37 =	1.4567	70 =	2.7559
4 =	.1575	38 =	1.4961	71 =	2.7953
5 =	.1969	39 =	1.5354	72 =	2.8346
6 =	.2362	40 =	1.5748	73 =	2.8740
7 =	.2756	41 =	1.6142	74 =	2.9134
8 =	.3150	42 =	1.6535	75 =	2.9528
9 =	.3543	43 =	1.6929	76 =	2.9921
10 =	.3937	44 =	1.7523	77 =	3.0315
11 =	.4331	45 =	1.7717	78 =	3.0709
12 =	.4724	46 =	1.8110	79 =	3.1102
13 =	.5118	47 =	1.8504	80 =	3.1496
14 =	.5512	48 =	1.8898	81 =	3.1890
15 =	.5906	49 =	1.9291	82 =	3.2283
16 =	.6299	50 =	1.9685	83 =	3.2677
17 =	.6693	51 =	2.0079	84 =	3.3071
18 =	.7087	52 =	2.0472	85 =	3.3465
19 =	.7480	53 =	2.0866	86 =	3.3858
20 =	.7874	54 =	2.1260	87 =	3.4252
21 =	.8268	55 =	2.1654	88 =	3.4646
22 =	.8661	56 =	2.2047	89 =	3.5039
23 =	.9055	57 =	2.2441	90 =	3.5433
24 =	.9449	58 =	2.2835	91 =	3.5827
25 =	.9843	59 =	2.3228	92 =	3.6220
26 =	1.0236	60 =	2.3622	93 =	3.6614
27 =	1.0630	61 =	2.4016	94 =	3.7008
28 =	1.1024	62 =	2.4409	95 =	3.7402
29 =	1.1417	63 =	2.4803	96 =	3.7795
30 =	1.1811	64 =	2.5197	97 =	3.8189
31 =	1.2205	65 =	2.5591	98 =	3.8583
32 =	1.2598	66 =	2.5984	99 =	3.8976
33 =	1.2992	67 =	2.6378	100 =	3.9370
34 =	1.3386				

10 mm. = 1 Centimeter = 0.3937 inch.

10 cm. = 1 Decimeter = 3.937 inch.

10 dm. = 1 Meter = 39.37 inch.

25.4 mm. = 1 English Inch.

REED SMALL TOOL WORKS

